

IN THE CLAIMS

Please amend the claims as indicated:

1. (Previously Presented) In a process for making paper wherein a furnish is deposited on a wire and dewatered, the improvement comprising:

adding to the furnish a mixture comprising an effective amount of the composition of claim 26.

2-5. (Cancelled)

6. (Currently Amended) The process of claim 1, wherein the paper being made is selected from the group consisting of Kraft, linerboard and medium.

7. (Previously Presented) The process of claim 6, further adding a starch containing component to the furnish.

8. (Previously Presented) The process of claim 1, wherein the furnish comprises a stock, the stock comprising recycled fibers and said recycled fibers contain an acrylic acid containing composition.

9. (Previously Presented) The process of claim 1, wherein the mixture comprises a polymerizable cationic composition.

10. (Previously Presented) In a process for making paper, wherein a furnish is deposited on a wire and dewatered to form a paper, and the dewatered paper is subsequently pressed a number of times to further reduce the water content of the paper, the improvement comprising adding a mixture comprising an effective amount of the composition of claim 26, to at least one side of the dewatered paper subsequent to a first pressing step.

11. (Cancelled)

12. (Cancelled)

13. (Previously Presented) The process of claim 10, wherein the mixture is applied to both sides of the dewatered paper subsequent to a first pressing step.

14. (Previously Presented) The process of claim 10, wherein the mixture comprises a polymerizable cationic composition.

15. (Previously Presented) In a process for making paper wherein a furnish is deposited on a wire and dewatered to form a paper, the dewatered paper is subsequently pressed to further reduce the water content of the paper and is subsequently calendered, the improvement comprising introducing to at least one side of the paper a mixture, the mixture comprising the composition of claim 26, between the pressing and calendering steps.

16. (Cancelled)

17. (Cancelled)

18. (Previously Presented) The process of claim 15, wherein the mixture is introduced to both sides of the paper.

19. (Previously Presented) The process of claim 15, wherein the mixture comprises a polymerizable cationic composition.

20. (Previously Presented) A process for making paper comprising the following steps: (A) applying a furnish to a wire; (B) dewatering the furnish and obtaining a water containing paper; (C) pressing the water containing paper to reduce the water content; (D) calendering the pressed paper; (E) recovering a finished paper; and (F) adding a coating, comprising the composition of claim 26.

21. (Cancelled)

22. (Cancelled)

23. (Currently Amended) The process of claim ~~[[21]]~~ 20, wherein the coating ~~adding~~ added in step ~~[[G]]~~ F further comprises a starch containing composition.

24. (Previously Presented) The process of claim 20, wherein said coating is added more than once during said paper making process.

25. (Previously Presented) The process of claim 20, wherein the mixture comprises a polymerizable cationic composition.

26. (Currently Amended) A composition comprising:  
at least one member selected from the group consisting of alkyl ketene dimer and akylene succinic anhydride;  
an acrylic acid containing material in an amount no greater than 10 dry lbs/ton;  
a crosslinking agent in an amount sufficient to crosslink the acrylic acid containing composition, the crosslinking agent selected from the group consisting of ammonium oxide, calcium oxide, magnesium stearate, isostearate, calcium stearate, stannous oxide, tungsten oxide, titanium oxide, zinc octoate, aluminum stearate, aluminum oxide, zinc salts of fatty acids,

zirconium oxide, calcium isostearate, calcium salts of fatty acids, magnesium salts of fatty acids, and aluminum salts of fatty acids; and  
optionally wood fibers.

27. (Original) The composition of claim 26, further comprising wood fibers.
28. (Cancelled)
29. (Cancelled)
30. (Original) The composition of claim 26, further comprising a starch containing composition.
31. (Previously Presented) The composition of claim 26, wherein the mixture comprises a polymerizable cationic composition.
32. (Previously Presented) A process of making a coated paper or kraft stock comprising the steps of: providing a paper or kraft stock; applying an aqueous resin coating composition as a coating to said paper or stock in an amount in excess of the desired amount of coating; said aqueous coating composition comprising the composition of claim 26; metering and removing unwanted coating material from said paper or stock coated with said excess amount of coating material by directing a flow of fluid against said coating; solidfying the coating on said paper or stock; and obtaining a coated paper or kraft stock.
- 33-35. (Cancelled)
36. (Previously Presented) The process of claim 32, wherein the fluid is a directed stream of air.

37. (Previously Presented) The process of claim 32, wherein the unwanted coating material is recovered and at least some of the recovered material is remixed and applied to said paper or stock.

38. (Previously Presented) The process of claim 32, wherein the coating comprises a polymerizable cationic composition.

39. (Currently Amended) In a process for making paper wherein a furnish is deposited on a wire and dewatered, the improvement comprising: adding to the furnish a mixture comprising an effective amount of the composition of claim 26.

40. (Cancelled)

41. (Previously Presented) The composition of claim 26, wherein the acrylic acid containing material is selected from the group consisting of homopolymers or copolymers of acrylic acid.

42. (Currently Amended) The composition of claim 41, wherein the acrylic acid containing material comprises a material ~~comprises a material~~ [[is]] selected from the group consisting of methacrylic acid, ethylacrylic acid, polyacrylic acid, crotonic acid, isocrotonic acid, pentenic acid, C (1-4) alkyl substituted acrylic acid, and other acrylic acids selected from the group consisting of ~~selected from the group consisting of~~ [[, such as]] butyl, amyl, octyl and hexadecyl, methylacrylate vinyl acetate, vinyl chloride, vinylidene chloride, isobutylene, vinyl ethers, acrylonitrile, maleic acid and esters, crotonic acid and esters, and itaconic acid.

43. (Previously Presented) The composition of claim 26, wherein the at least one alkyl ketene dimer is at least one selected from the group consisting of:

octyl, decyl, dodecyl, tetradecyl, hexadecyl, octadecyl, eicosyl, docosyl, tetracosyl, phenyl, benzyl, beta-naphthyl and cyclohexyl ketene dimers;

ketene dimers prepared from montanic acid, naphthenic acid,  $\Delta^{9,10}$ -decylenic acid,  $\Delta^{9,10}$ -dodecylenic acid, palmitoleic acid, oleic acid, ricinoleic acid, linolenic acid, and eleostearic acid; and

$\beta$ -lactones; and

ketene dimers prepared from naturally occurring mixtures of fatty acids.

44. (Previously Presented) The composition of claim 26, further comprising ammonium hydroxide.

45. (Previously Presented) The composition of claim 26, wherein at least one component of the composition is cationic.

46. (Previously Presented) The composition of claim 45, wherein the cationic component is the alkyl ketene dimer.

47. (Previously Presented) The composition of claim 45, wherein the cationic component is the acrylic containing material.